

**TECHNIQUES FOR PREVIEWING CONTENT PACKAGE FILES  
THROUGH A PORTAL**

**ABSTRACT OF THE DISCLOSURE**

**[0051]** Techniques for previewing a content package file through a portal interface before the file is imported to the portal server computer are provided. A content package file is a relational data structure that contains references to a first level of content files. The first level content files within the content package file can contain references to second level content files, the second level content files can contain references to third level content files, etc. The references to the content files are replaced with content from the content files. Information about the content files is displayed in a preview format through a portal interface before the content files are imported. The user can be notified if any of the references to content files contain errors.

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